

NOTES-FIELD INSPECTION

Company: Puget Sound Energy

Date(s): June 4-6, 10-13, 2014

Unit: Lewis Thurston 2014

Field Readings									
Line & Location	Line		CP Volts		Rectifier		Pressures		Remarks
	Size	In.	P/S	Casing	Volts	Amps	Set	Actual	
RS 1364 Toledo Gate							57	56.7	Run 1 AOCs OK
							57	56.6	Run 2
							62	61.85	relief
							420	139.7	Inlet MAOP/Actual
							62	61.7	Outlet MAOP/Actual
Valve 5672									Operates OK, AOCs OK
RS 2717 Winlock OD31							42	41.7	Run 2
							42	41.4	Run 1
							200	138	Inlet MAOP/Actual
							60	42	Outlet MAOP/Actual
RS 2708 Jackson Prairie							17	17.3/16.8	Run 1 found/left
							17	17.4/16.8	Run 2 found/left
							978	760	Inlet MAOP/Actual
							60	17	Outlet MAOP/Actual
									No relief-fracture disk
RS1360 Chehalis Gate							277	274.8	Run 1
							277	275.8	Run 2
							290	289.8	relief
							350	337	Inlet MAOP/Actual
							280	277	Outlet MAOP/Actual
									Fire extinguishers OK
RS1359 W. Olympia Gate							246.8	244	Run 1
							246.8	244.2	Run 2
							250	256	relief
							300	280.9	Inlet MAOP/Actual
							250	244	Outlet MAOP/Actual

FIELD DATA COLLECTION FORM FOR INTRASTATE INSPECTORS

RS 2785 18 th & Sawyer							53.4	51.85	Run 1
							53.5	52.05	Run 2
							56.5	56.5	relief
							250	237.2	Inlet MAOP/Actual
							55	48.8	Outlet MAOP/Actual
RS 313 Franz St									Cannot lock up, outlet equip valve is seized. See annual maint for 2013 AOCs OK
RS2602 Marvin & Steilacoom							141.6	147	Run 1 stage 1
							52	50.5	Run 1 stage 2
									Rebuilt both regulators run 1
									Did not check run 2
							250	231.5	Inlet MAOP/Actual
							55	49	Outlet MAOP/Actual
RS 1357 E. Olympia Gate relief check							420	412	relief
								400/382	Inlet MAOP/Actual
								400/375	Outlet MAOP/Actual
RS1356 Rainier Gate							42	40.3	Run 1
							42	40.7	Run 2
							44	46	relief
							250	235.2	Inlet MAOP/Actual
							44	40.3	Outlet MAOP/Actual

Field Readings

Line & Location	Line		CP mVolts		Rectifier		Pressures		Remarks
	Size	In.	P/S	P/S	Volts	Amps	Set	Actual	
Toledo Gate			-998 PSE	-1220 Williams					Isolation check OK
Chehalis Gate			-1133 PSE	-1718					Isolation check OK

FIELD DATA COLLECTION FORM FOR INTRASTATE INSPECTORS

				Williams					
PS 230 Winlock					1.68 V	0.28A	2.8mV		0.1 shunt factor; 3% tap setting variable resistor
			-1253 on -1219on	-1014off -994 on					Interrupter built into rectifier Remote read
PS 409 Chehalis					4.85	2.48	12.4mV		50mV/10A shunt; 15% Tap settings
			-1396on -1370 on	-871off -866off					Interrupter built into rectifier Remote read
									with interrupter
PS 231 Tumwater					12.65	2.9	29mV		0.1 shunt factor; 13% tap setting variable resistor
			-2127on -1823on	-927off -981 off					Interrupter built into rectifier Remote read
PS 198 41 st & Boulevard Rd					3.0 V	2.15A	4.3mV		0.5 shunt factor; 6% tap setting variable resistor
			-1590 on -1813 on	-979off -1028off					Interrupter built into rectifier Remote read
PS 212 Trailblazer					12.3	1.72A	8mV		10A/50mV shunt, 0.2 shunt factor ; 22% tap setting variable resistor
			-2634 on -2615	-1033off -1049					Interrupter built into rectifier Remote read
Anodes at Salzar Creek & National			-897mV						Anodes for isolated steel crossing Salzer Creek OK

Field Readings

Line & Location	Line		CP mVolts		Applied amperage		Odorant Level %		Remarks
	Size	In.	P/S	Casing	Volts	mAmps	Reading	Actual	
OT-0194 Winlock							0.30	0.25	OK 0.8% is threshold for action level per 4675.1000
OT-0058							0.52	0.42	OK

FIELD DATA COLLECTION FORM FOR INTRASTATE INSPECTORS

Toledo									
OT-0127 Chehalis							0.36	0.298	OK
OT-0062 Chehalis							0.33	0.266	OK
OT-0070 Olympia							0.30	0.25	OK
OT-0067 Olympia/Lacey							0.28	0.28	OK
Bridge Patrol PBS-0174									Capital Way Viaduct at Olympia Brewery OK
PBS-0180									Holmes Is. Bridge OK
PBS-0184									Old 99 bridge Lewis/Thurston County line OK
PBS-0185									Reynolds Ave bridge over Coffee Creek OK
PBS-0186									Pearl St Bridge over Skookumchuck River OK
PBS-0188									Mellon St Bridge over Chehalis River OK
PBS-0190									Yew St Brige over China Creek OK
PBS-0317									5 th Ave Bridge at Capital Lake outlet—Pipes not resting on rollers. PSE aware of condition. Engineering evaluation was performed and OK.
PBS-0319									Steilacoom Rd Bridge at McAllister Creek OK
PBS-0385									Mullen Rd at UPRR OK

FIELD DATA COLLECTION FORM FOR INTRASTATE INSPECTORS

PBS-0468									Nisqually River Flood Patrol OK
PBS-0477									Henderson Blvd Bridge at Deschutes River OK